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Match Length DB ID
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1: /cgn2_6/ptodata/1/pubpna,

2: /cgn2_6/ptodata/1/pubpna,

3: /cqn2_6/ptodata/1/pubpna,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1: //cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: //cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: //cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
3: //cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
4: //cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
5: //cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
6: //cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
7: //cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
8: //cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
9: //cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
11: //cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
12: //cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
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15: //cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
16: //cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
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1.0 2580 13 US-10-C47-593-5

1.0 7789 13 US-10-C47-593-3

1.0 7789 13 US-10-2047-593-3

1.0 233 9 US-99-23-876-5107

1.1 2541 14 US-10-208-948-25

1.1 2561 13 US-10-005-C57A-11

1.2 261 9 US-09-923-876-393

1.2 6 12 US-09-923-876-393

1.4 367378 12 US-10-312-841-1

1.9 740 13 US-10-312-841-1

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Sequence 5, App.:
Sequence 3107, Ap
Sequence 25, App.
Sequence 25, App.
Sequence 41, App.
Sequence 4089, Ap
Sequence 3931, Ap
Sequence 3931, Ap
Sequence 20352, Ap
Sequence 1378, Ap
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Sequence 1153, Ap
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Sequence 205348,	_	10,		Sequence 10, Appl	10,			38, Ap		Sequence 134337,	134335,	346,		262623,	23,	ω	5, App	160	617		1605	617,	511,	Sequence 158918,	o.	e 262624	21553, A	Sequence 20, Appl

ALIGNMENTS

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Sequence 5. Application US/10047593
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5
LENGTH: 2715
TYPE: DNA
ORGANISM: Zea mays
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CURRENT FILING DATE: 2002-01-15
FRICK APPLICATION NUMBER: 60/130,692
FRICK FILING DATE: 1999-04-23
PRICK APPLICATION NUMBER: 09/551,778
FRICK FILING DATE: 2000-04-18
DB 13; Length
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2221 TEGRICCACTOTTTCCCCCATCCCTATCTCCCCCACGCAACTGCGTTTCCCCC 2280	D.S.	ئا ⊶. بول⊶.بول
2161 FOTATTOTOCTTCCGGCGCCTCTCTAGTCTATTCTCCTCGTCGAGTCGTCGTCTTC 2220	Oy Db	GGTCCTCGACATGCAGGACCCTAGGCCCCGTTAGAATGGGGCTTGTCCATAAGAGAGTTG 1
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GCCGTCCACCTCGTCAGGCGTCACTTCACGACGTATACAGGGGCACAGGGCTCA	Qy Db	961 CGTCAACTACTAAAAICTATTIATAGAAAGTGGTTAACCCTATTTCCCTTTCAGCACACT 1020
1 TGGGACCGTAGAGACTAGAGAGGATGAGGACGACGCCAGGCAGACGAGCCTTGCCGATT	Qy	991 TATGCACCTGAGATAAATCACATCTAGCCAAACTAGTIAGTCCATGTGGTTTGTGTTGAT 960 111111111111111111111111111111111111
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108	qq	GACAGTCCGATGAATTATAGCGGASCCGGCCTCTGAATTCCCGAGTGTGGCCTGTTTGAA 7
1 - 1	90 KY	561 CTATAGOGTTTTGCAGTCGACCGTTGGCGCACAGAGAGCCATTGCTCCGCTGGCTG
681 GTCATGATCAATTGGACGAAATGGATGTTAAACTGTTTGTT	qa Ab	601 CGGACAGTCCGGTGACCTCTGACTTCTGTGTTCTAACCTTCTGTCGCGGGACTGTTTCGCA 660
621 TAAGCTTGTTATGTAAAACAAACTAATTTGGAGAGGGGGGATTGAGGAGAAGTGTGGG 	Oy Oy	541 ACCAAAATACITAGAAATGGCCCAAGGGCACATTTCCCITTCAACAGTCCGGTGCCACAC 650 [TTGTTTTTTAACAGTCCGGTGCCACAC 650 [TTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
561 TCAAASTGACTIGTTTTTTTGGACCTITGACACATAGCCTTTAAAGTAGATITCACAATI ;!! !	dc עט	481 FACTTGGTFTGTACTITGTCCACCATTIAACACTTGGGCACTTGTGTTTGTSACACTAAARC 540
1 ATCAATACACCTTCTTACACAATTTGTCCASTTRATATTTTCGTTTCCAATAACAAAC 	Db Db	421 ACTTAGACAGAATAGACTAAGTGTAAAAGAATGTATTAATTCTGAGAAAGATACGTTTA 480 1115 1111 111 111
41 ATTTGGGTTGGAAATGAAGAGCCCGTAGGAAAAGTAGTGGTGTGTGT	th Qy	ASCIGACTITGGCTGAACAAAGTCATCITTAGIICCAACTTGATTITTCCTGTTTICCAGC 4
1 GC	Db Qy	301 CAGCCTGGGGGACACTGTCCGGTGAACCACCGGACAGTCCGGTGCACCAGTCAG 360
ין יי	Oy da	241 CCGGTGAATTATAGCCGTACGCCGTTAATCACTTCCCGAGAGCAGCAAGTTCGCCTGAGC 300 [[[I]]] [[[]]] [[]] [[]] [[]] [[]] [[
61 CTTTCGTCTTAATAAAGATCCATATTACATTTATATTTACTATGTCATATATAT	Qy Db	181 GCAGACCGTTGGCCCGACCGGTGGCTCACCGGACAGTCCGGTGCACACCAGACAGT 240
110	Db	121 GACAGTCAGGTGCCCCCTTCCGACCGTTGGCTCCGCCCACGTGTTTCGCCCCGGATCCGCCC 180 [1.1.1.1111.1111.1111.1111.1111.1111.1

1081 GGTCCTCGACATGCAGGACCCTAGGCCCCGTTAGAATGGGGCTTGTCCATAAGAGAGAG	
1021 CTATATAGECTTGAGACCTCGACATGAAGTGTCCCTAGGAAGCCAAGGCTCTCGCTAAGAGTTCCCTAGGATGACGCACATGCAGGTTAGAATGGGGCTTAGAATGGGGCTCTAGAGAGTTG	Best Local Similarity 100.0%; Pred. No. 0; Todals 0; Saps 0; Matches 2580; Conservative 0; Mismatches 0; Indels 0; Saps 0; Oy 1 GCGCCGCGCTAATACGACTCACTACGAGGCGAAGAATTCGGATTCCTTCTTATTCGGC 60
961 CGTCAACTACTAAAATCTATTATAGAAAGGTGTCTAGGAAGGCTATCCGCTAACTCGCGTAA	NAME/ESY: 3'UTR NAME/ESY: 3'UTR LOCATION: (5926)(6124) IS-10-647-593-3
	(5275)(3475) intron (5476)(5665) (5476)(5665)
	LOCATION: (3988) NAME/KEY: intron LOCATION: (4739) NAME/KEY: exon
781 GGGCGCCTGGCCGGTGCACCGAACAATGTATGGTGCGCCAAAAATCAGCACACCCAAGT 	LOCATION: (2782) NAME/KEY: intron LOCATION: (3435) NAME/KEY: exon
721 GACAGTCCGATGAATTATAGCGGASCGCGCCTCTGAATTCCCGAGTGTGGCCTGTTTGAA 	LOCATION: NAME/KEY: LOCATION: NAME/KEY:
661 CTATAGCGITITGCAGTCGACCGTTGGCGCACAGAGAGCCATTGCTCCGCTGGCTG	TYPE: DN ORGANISM FEATURE: NAME/KEY
601 CGGACAGTCCGGTGACCTCTGACTTCTGTGTTCTAACTTCTGTCGCGGCACTGTTTCGCA 	CY NUMBER OF SEQ ID NOS: 6 CY SOPTWARE: FASTSEQ for Windows Version 4.0 CY SEQ ID NO 3 CY SEQ ID
541 ACCADADATACTTAGADATGGCCCAAGGGCACATTTCCCCTTTCAACAGTCCGGTGCCACAC	PRIOR APPLICATION NUM PRIOR FILING DATE: 19 PRIOR APPLICATION NUM PRIOR FILING DATE: 20
481 TACTTGGTTTGTACTTTGTCCACCATTTAACACTTGGGCACTTGTGTTTGGACACTAAATC	593
421 ACTTAGACACAATACATTAGTCTCTAAAACAATGTATTAATTCTGAGAAACATACCTTTA	GENERAL INFORMATION: APPLICANT: Crane, Edmund H. III APPLICANT: Rice, Douglas A. TITLE OF INVENTION: Make NPR. Polynucleotides and Methods
361 AGCTGACTTTGGCTGAACAAGTCATCTTTAGTTCCAACTTGATTTTTCCTGTTTTCCAGC	RESULT 2 QY 10-10-047-593-3 US-10-047-593-3 Esquence 3, Application US/10047593 Publication No. US/20020170094A1
301 GAGGCTGGGGACCGSACACTGTCCGGTGAACCACCGGACAGTCCGGTGCACCCAGCCAG	11111111111111111111111111111111111111
241 CCGGTGAATTATAGCGGTACGCCGTTAATCACTTCCCGAGAGCAGCAAGTTCGCCTGAGC	
191 GCAGACCGTTGGCCCGACCGACCGTTGGCTCACCGGACAGTCCGGTGCACACCAGACAGT	
12] GACAGTCAGGTGCCCCCTTCGGACCGTTGGCTCGGCCACGTGTTTCGCGCGGGATCGCCCG : : :	
	DU 2281 GGAGTGTTGTTGCAGGATTGGGTTGGAGGGTAGUGGTGGAGTGAGTGAGTGGTGGGGGGTG 2340 Db

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(S-10-28-948-25)
(Seq.ence 25. Application US/10208948)
(Publication No. US20030074689A1)
(GENERAL INFORMATION:
APPLICANT: TATCZYNSKI, Mitchell C.
APPLICANT: Olsen, Odd-Arne
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Lalqudi, Raghunath V.
APPLICANT: Kamigaki, Ldura Y. (Ito)
APPLICANT: Sherman, Bradley K.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
ETILE REFERENCE: P1-0312-: CON
CURRENT APPLICATION NUMBER: U5/09/923,876
CURRENT FILING DATE: 2001-08-06
PRIOR APPLICATION NUMBER: 09/298,329
PRIOR APPLICATION NUMBER: 60/085,331
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: 60/085,331
PRIOR FILING DATE: 1998-05-05
NUMBER: JESO ID NOS: 6332
SOFTWAKE: PERL PROGRAM
ORGANISM: Zea mays
FEATURE:
NAME/SY: misc_feature
OTHER INFORMATION: Incyte 1D No. US20020013958A1 700161672H1
US-09-923:876-3107
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US-09-923-876-3107/c
Sequence 3107, Application US/09923876
Patent No. US20020013958A1
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Best Local Similarity
Matches 138; Conserv
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                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Tao, Yumin
APPLICANT: Gordon-Kamm, W
APPLICANT: Shor, Bo
APPLICANT: Lowe, Keith S.
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Best Local Similarity
Matches 137; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEC ID NO 25
LENGTH: 25411
TYPE: DNA
                                                                                                                                                                                                                                                            Sequence 41, Application No.
               APPLICANT: Danilevskaya, Olga
APPLICANT: Wabajan, Pramod
APPLICANT: Rafalski, Antoni J.
APPLICANT: Rafalski, Antoni J.
APPLICANT: Sakai, Hajime
APPLICANT: Klein, Ted M.
TITLE OF INVENTION: Transcriptional Regulator Nucleic Acids.
TITLE OF INVENTION: Polypeptides and Methods of Use Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/309,719
PRIOR FILING DATE: 2001-08-02
PRIOR APPLICATION NUMBER: 60/337,444
PRIOR PILING DATE: 2001-10-25
NUMBER OF SEQ ID NOS: 28
NUMBER OF SEQ ID NOS: 28
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APPLICANT: Niciols, Scott E.
APPLICANT: Wang, Curxi
TITLE OF INVENTION: Methods for Improving
TITLE OF INVENTION: Characteristics
FILE REFERENCE: 1390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/208,948
CURRENT FILING DATE: 2002-07-30
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CURRENT APPLICATION NUMBER: US/16/005,057A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: (2682)...(23733)
OTHER INFORMATION: dekl/caipain genomic DNA from MO17
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: zea mays
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                                                                                                                                                                                                                                                                                                                                                                         537
                                                                                                                                                                                                                                                                                                                                                                                                           366 ACTITGCCIGANCAANGTCATCITTAGITCCAACITGATITTTCCIGITT 4:5
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Li, Changjiang
Jung, Rudolf
                                                                                                                                                                                                                                                                          Application US/10005057A
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Pred. No. 1e-07;
9; Mismatches 92;
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CURRENT APPLICATION NUMBER: US/09/923,876
CURRENT FILING DATE: 2001-08-06
PRICE APPLICATION NUMBER: 99/298-329
PRICE FILING DATE: 1999-04-21
PRICE FILING DATE: 1999-04-21
PRICE FILING DATE: 1998-05-05
NUMBER: 0F SEQ ID NOS: 6332
SCHTWARE: PERL PROGRAM
SEO ID NO 4089
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: OTHER INFORMATION: 2mpk1 genomic sequence
: NAME/KRY: misc_feature
: LOCATION: (1)...(12561)
: OTHER INFORMATION: n ~ A.T.C or G
US-10-065-057A-41
: NAME/KEY: misc_feature
: OTHER INFORMATION: Incyte
US-09-923-876-4089
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PRIOR APPLICATION NUMBER: 60/251,555
PRIOR FILING DATE: 2000-12-06
NUMBER OF SEQ ID NOS: 41
SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 41
LENGTH: 12561
                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match: 2.7%;
Host Local Similarity 55.2%;
Matches 187: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4089, Application US/09923876 Patent No. US20020013958A1
                                                                                                                                                                                                                                                                                                                                             APPLICANT: Laigudí, Raghinath V.
APPLICANT: Kamigakí, Laura Y. (Ito)
APPLICANT: Sherman, Bradley K.
TIILE OF INVENTION: POLYNICLEOILDES AND POLYPEPTIDES DERIVED FROM CORN SEEDLING
FILE REFERENCE: PL-0012-1 CON
                                                              TYPE: DNA
ORGANISM: Zea mays
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc_feature
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                                                                                                                               LENGTH: 281
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                       No.
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Pred. No. 2.6e-07;
1; Mismatches 140;
                       US20020013958A1 700454406H1
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12218 896 836 12337

Gaps

2314

2374 270193 2254

270205 2194

270199

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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Lalgudi, Ragbunath V.
APPLICANT: Kanigaki, Ldura Y. (Ito)
APPLICANT: Ksnigaki, Ldura Y. (Ito)
APPLICANT: Sherman, Bradley K.
ITITLE OF INVENTION: POLYNUCLECTIDES AND POLYPERTIDES DERIVED FROM COKN SEEDLING
FILE REFERENCE: PL-0012-1 CON
CURRENT APPLICATION NUMBER: U9/05/923,876
CURRENT FILING DATE: 2001-06-36
PRIOR APPLICATION NUMBER: 09/238,329
PRIOR APPLICATION NUMBER: 69/288,329
PRIOR FILING DATE: 1995-04-21
PRIOR FILING DATE: 1995-04-21
PRIOR FILING DATE: 1995-05-05
NUMBER OF SEC ID NOS: 6332
SOFTWARE: PURL Program
SEO ID NO 3931
LENGTE: 266
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US-10-312-841-1/c
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                                                                     SEQ ID NO 1
LENGTH: 3673778
                                                                                                                                                                                                                                                             GENERAL INFORMATION:
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Best Local S
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Matches 75; Conserv
                                                                                                               APPLICANT: Epigenomics AG TITLE OF INVENTION: Diagnose von bedontenden genetischen Parametern innorhalb des MHQ FILE REFERENCE: E01/1208/MO CURRENI APPLICATION NUMBER: US/:0/312,841 CURRENI FILING DATE: 2002-12-30 NUMBER OF SEQ ID NCS: 2
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CTHER INFORMATION: Incyte ID No. US20020013958A1 700454106H1
NAME/KEY: unsure
LOCATION: 201, 211, 234, 244-245
CTHER INFORMATION: a, t, c, g, or other
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Zea mays
                           ORGANISM: Artificial Sequence
                                                 TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
ms 66; Conserv
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Pred. No. 9.4e-08;
Mismatches 15;
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Pred, No. 1.3e-05;
0; Mismatches 12;
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US-10-027-632-20352, Application US/10027632
; SEQUENCE 20352, Application US/10027632
; APPLICANI: Wang, David G.
; APPLICANI: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
: TITLE OF INVENTION: Polymorphisms in the Human Genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S.
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PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR APPLICATION NUMBER: US 60/156,358
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SEQ ID NC 2C352
LENGTH: 740
TYPE: DNA
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TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immunitation of Electron Effective (Control of the Immunitation of Electron Application of Electron (Control of the Immunitation of Electron of Elec
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Sequence 1, Application US/10312841
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GENERAL INFORMATION:
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                                                                                                                                                   APPLICANT: OLEK, Alexander APPLICANT: PIEPENBROCK, Christian APPLICANT: BERLIN, Kurt
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CURRENT APPLICATION NUMBER: US/10/311/455
COURRENT FILTING DATE: 2007-12-16
PRIOR APPLICATION NUMBER: PCT/FE01/07537
PRIOR PILTING DATE: 2001-C7-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR PILTING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 1163
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LENGTH: 3673778
                                                                                  Best Local Similarity Matches 177; Conserv
                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: PIEPENBROCK, Christian APPLICANT: BERLIN, K:rt EAPPLICANT: BERLIN, K:rt TITLE OF INVENTION: Dispussis of Diseases Associated with the Immune System TITLE OF INVENTION: cytosine methylation FILE REFERENCE: 5013.1014
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TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb
FILE REFERENCE: E01/1205/WO
CURRENT APPLICATION NUMBER: US/10/312,84:
CURRENT FILING DATE: 2002-12-30
NUMBER OF SEQ ID NOS: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: OLEK, Alexander
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1845 ATTAGGGATACGTTGACATATAACTTCAGTCTTTCTTTTTTAATAGTCACAAGAAACTTT
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                                                                                  Score 47.6; DB 12;
Pred. No. 0.11;
0; Mismatches 189;
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US-10-311-455-1398
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US-10-311-455-1398
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PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 1398
LENGTH: 5572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PILPENBROCK, Christia:
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with the immune System by Deter
TITLE OF INVENTION: Cytosine methylation
FILE REFERENCE: 5013.1014
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Rest Local Similarity 46.3%;
Matches 156; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCI/EPC1/07537
PRIOR FILING DATE: 2001-07-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
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TICACACGIGCITGAACGGCGIAGGAAGIGIIGGAATITICCCTITCITAIGATITATIAGA 1800
                                                                      GTCGATGATTCAATTGGACGAAATCGATGTTTAAACTGTCTTGTTGATTAAATTTCTAGC
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Pred. No. 0.12;
0; Mismatches 181:
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RESULT 14
IS-140-452-60
I Sequence 60. Application US/10240452
Publication No. US20030162194A1
GENERAL INFORMATION:
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CURRENT FILING DATE: 2021-10-02
PRIOR APPLICATION NUMBER: PCT/FED01/93969
PRICR FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
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PRIOR EILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 78
SEQ ID NO 60
LENGTH: 5572
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Best Local
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APPLICANT: PIEDENBROCK, Christian
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with Apoptosis
FILE REFERENCE: 5013.1006
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FEATURE:
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                                  CATATAACTTCAGTCTTTCTTTTTTAATAGTCACAAG
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RESULT 15 US-10-311-455-1669/c

Sequence 1669, Application US/10311455

Fublication No. US20030143606Al

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CJRRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR PLICATION NUMBER: DE 10032529.7
PRIOR PLIING DATE: 2000-96-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-99-01
NUMBER OF SEO ID NOS: 2424
SEQ ID NO 1669
LENGTH: 6668
TYPE: DNA
ORGANISM: Artificial Sequence
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LOCATION: 4733
: OTHER INFORMATION: n is a or g or c or
US-10-311-455-1669
Search completed: October 17, Job time : 888 secs
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GENERAL INFORMATION:
APPLICANT: DIEK, Alexander
APPLICANT: BERLIN, Kurt
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Obliganosis of Diseases Associated with the Immune System by Determ
TITLE OF INVENTION: Oytosine methylation
FILE REFERENCE: 5013.1014
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Rest Local Similarity 47.5%;
Matches 136; Conservative
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Pred. No. 0.15;
0; Mismatches 148;
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Perfect score:
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      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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2: /cgn2_6/ptodata/2,
3: /cgn2_6/ptodata/2,
4: /cgn2_6/ptodata/2,
5: /cgn2_6/ptodata/2,
6: /cgn2_6/ptodata/2,
      US-10-047-593-5
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0S-09-51-778-3
0S-08-22-463-14
0S-08-149-695-1
0S-08-377-228-8
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GACAGICAGGIGCCCCTTCCGACCGTTGGCTCGGCCACGTGTTTCGCGCGGATCGCGCG

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GCAGACCGTTGGCCCGACCGACCGTTGGCTCACCGGACAGTCCGGTGCACACCAGACAGT

CCGGTGAATTATAGCCGTACGCCGTTAATCACTTCCCGAGAGCAGCAAGTTCGCCTGAGC

300

61 GAAGCCGACCGTTGGCGCTTTGGAGCCGTTGGCACACGGGACACTGTCGGGTGCACACGG 61 GAAGCCGACCGTTGGCCCTTTGGACCCGTTGGCCCACCGGACACTGTCCGGTGCACACC

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Onery Match Best Local Sim Matches 2580:

Similarity

100.0%: Sc 100.0%: Pr vative 0;

Score 2579.6; Pred. No. 0; Mismatches

DB 4;

Length 2715: <u>ن</u>

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Conservative

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: NAME/KEY: promoter : ICCATION: (1)...(2715) US-09-551-778-5

CURRENT FT	RESULT 1 US-09-551-778 Sequence 5-8 Sequence 5-9 Patent No. GENERAL INF. APPLICANI: APPL	00000000000000000000000000000000000000
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ERENCE: 1090 FILING DATE: FILING DATE: FILING DATE: FILING DATE: FILING DATE: FEGO ID NOS: FASTSEQ FOR 75 7715 NA M: Zea mays NA M: Zea mays	Application US/ 6504084 FORMATION: : Crane, Edmund H : Rice, Loughas A : Sandahl, Gary A : Sandahl, Gary A : Simmons, Carl R : Tossberg, John : Tossberg, John : Thospord, John : Of Use	עיייים אינון א א א א א א א א א א א א א א א א א א א
ERENCE: 1090 APPLICATION NUMBER: US/O FILING DATE: 2000-04-18 APPLICATION NUMBER: 60/1 FILING DATE: 1999-04-23 PEQ ID NOS: 6 : FastSEQ for Windows Ve 2715 NA M: Zea mays M: Dromotor		16442 446 446 1291 1291 1291 1231 1231 1370 11703 11970 1197
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APPLICANT: Carno, Edmund H. ITT
APPLICANT: Sandahl, Gary A.
APPLICANT: Sandahl, Gary A.
APPLICANT: Sandahl, Gary A.
APPLICANT: Sandahl, Gary A.
APPLICANT: Sandahl, Gary R.
APPLICANT: TOSSberg, John T.
APPLICANT: TOSSberg, John T.
APPLICANT: Zhang, Lingyu
TITLE OF INVENTION: Malze NPRI Polynucleotides and
TITLE OF INVENTION: MALZe NPRI Polynucleotides and
TITLE OF INVENTION NUMBER: US/09/551,778
CURRENT APPLICATION NUMBER: 60/130,692
CURRENT FILING DATE: 1000-04-18
EARLIER APPLICATION NUMBER: 60/130,692
EARLIER APPLICATION NUMBER: 50/130,692
EARLIER FILING DATE: 1999-04-23
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 7789
TYPE: DNA
OKOANTSN: Zea mays
FEATURE:
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GENERAL INFORMATION:
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TELEX: 899149
TREEN: 899149
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGIH: 7218 base pairs
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version:
CURRENT APPLICATION DATA:
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APPILICANT: SCHEIFFLINGER, F.
APPILICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 300
TELECOMBUNICATION INFORMATION:
TELEPHONE: (703)836-9300
                                                                                                                                                                                                                                                                                            ATTORNEY_AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29.7
                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                              IMMEDIATE SOURCE:
                                                                                                                                                       TYPE: nucleic
STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 1800 Dias
CITY: Alexandria
                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 435
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ZIP: 22313-0259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE:
                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE: 26-AUG
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                                                                                  Local
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 2142 GATITTTTACTIGTTTATICTATTCTCCTICCGGCGCCTCTCTAGTCTATTCTCCCTTCC
                                     1 Similarity
12; Conserv
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5670367
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1800 Diagonal Road
                                                                         Conservative 238;
                                                                                                                                                            linear
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26-AUG-1991
                                                                                                                                                                      single
                                                                                3.48:
                                                                       3.6%; Score 91.8; DB 1; 3.4%; Pred. No. 4.4e-16; ive 238; Mismatches 105;
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RESULT 4
US-08-149-695-1
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Query Match
Best Local Similarity
Matches 172; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                          TELEFAX: (312)707-915
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Allen, APPLICANT: Lonsdal
                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION: 890
PRIOR APPLICATION NUMBER: US/07/911,5x2
FILING DATE: 09-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pochopien, Donald I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AFPLICANT: Lonsdale, David M.
TITLE OF INVENTION: A Pollen-Specific Promoter From Maize
NUMBER OF SEQUENCES: 8
                                                                                                                                            ANTI-SENSE: NO ORIGINAL SOURCE:
                                                                                                                                                             MODERAL: N
HYPOTHETICAL: N
                                                                                                                                                                                               TOPOLOGY: 11
                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 2873 base pairs
                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 92
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS
                                                                                          ORGANISM: Zea ...
ORGANISM: Zea ...
ThatN: Line W22
Poll
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 500 W
CITY: Chicago
                                                                                        STRAIN: Line
TISSUE TYPE:
                                                                                                                                                                                                                                    STRANDEDNESS: double
                                                                                                                                                                                                                                                TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                NAME: Pochopien, Donald REGISTRATION NUMBER: 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE:
                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
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                                                                                                                                                                                                                                                                                                                         (312)707-8889
(312)707-9155
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   Conservative
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61.48;
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                Score 76: DB 1: Length 2873; Pred. No. le-11:
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US-08-377-228-1
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               Query Match
Best Local Similarity
Matches 172: Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
NEDIUM TYPE: Floppy disk
CCMPUTER: LBM PC compatible
CPERATING SYSTEM: PC-DCS/MS-DOS
SOFTWARE: Patentic Release #1.0,
CURRENT APPLICATION NAMBER: US/08/377.228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                           TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                 NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 332.
FELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEPAX: (202)672-5399
                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/911,532
FILTING DATE: 09-JUL-1992
ATTORREY/AGENT INFORMATION:
NAME: BENT, Stephen A.
                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 09-NOV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: LONSDALE, David M.
TITLE OF INVENTION: A Pollen-Specific Promoter From Maize
NUMBER OF SEQUENCES: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 2873 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                         TOPOLOGY: linear
                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Washington
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                                                                                                                                        nucleic acid
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                Conservative
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                                                                                                                           double
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                                 2.98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Release #1.0, Version #1.30
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                                 Score 76; DB 1: Length 2873; Pred. No. le-11;
                  Mismatches
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Gaps

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                                                               US-08-149-695-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8, Application Patent No. 5412065 SENERAL INFORMATION:
 Best Local Similarity 64. Matches 142: Conservative
                              Query Match
                                                                                                                                                                                                   TELEFAX: (312)/U/ >2...
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LENGTH: 2687 base pairs
                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                      NAME: Pochopien Donald J. REGISTRATION NUMBER: 32.67 REFERENCE/DOCKET NUMBER: 92 TELECOMMUNICATION INFORMATION: TELEPHONE: (312)707-8889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: Jou
STREET: Johnson
CITY: Chicago
Frate: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Allen, Rebecce L.
APPLICANT: Lonsdale, David K.
TITLE OF INVENTION: A Pollen-Specific Premoter From
                                                                                          ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/911,532
PILING DATE: 09-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pochopies, bonald J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 800
                                                                            STRAIN:
                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: doub
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    Application US/08149695
5412085

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                                                                          M: Zea mays
Line W22
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                                                                                                                                                    DNA (genomic)
                                                                                                                                                                                   double
                2.5%;
64.5%;
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Score 64; TB 1; Le
Pred. No. 3e-08;
0; Mismatches 75;
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                                FB 1; Length 2587;
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US-08-377-228-8
                                                                                                                                                       TOPOLOGY:
US-08-377-228-8
                                                                                                                                                                                                    TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISICS:
LENGTH: 2687 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 8, Application US/08377228 Patent No. 5545546
                                                                            Matches
                                                                                             Ouery Match
Best Local Similarity
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APPLICANT: LONSOALE, David M.
TITLE OF INVENTION: A POllen-Specific Promoter From Malze
NUMBER OF SEQUENCES: 19
OURRESPONDENCE ADDRESS:
ANDRESSE: Folder
                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 07
FILING DATE: 09-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 33
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEPHAX: (202)672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                     NAME: BENT, Stephen A REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30
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                                   829 GCACACTCAAGTCCTTTGCTTCATTTTTATTGTGTCGCTAACTGGATTTCTTTTTTGGTT 888
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3 GCACCCTTCGGTTCCTTTGCTCCTTTGCTTTTGAACCCTAACTTTGATCGTTTATTGGTT 62
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3000 K Strept, N.W.,
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                                                                          Conservative
                                                                                                                                                                         linear
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09-JUL-1992
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                                                                                             64.5%;
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                                                                        Score 64; DB
Pred. No. 3e-0
0; Mismatches
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                                                                                               3e-08;
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                                                                        75;
                                                                                                             Length 2687;
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RNA - PROTEIN

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RESULT 9
US-C9-244-796-17/c
Sequence 17. Application US/39244796
Patent No. 6281344
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SEQ ID NO 17
LENGTH: 289
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence 17, Application US/09007005B
Patent No. 6258558
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN TITLE OF INVENTION: EUSIONS
FILD REFERENCE: 00786/350003
FILD REFERENCE: 00786/350003
CURRENT APPLICATION NUMBER: 05/09/007,005B
CURRENT FILING DATE: 1998-01-14
EARLIER APPLICATION NUMBER: 60/035,963
EARLIER FILING DATE: 1997-01-27
EARLIER FILING DATE: 1997-01-27
EARLIER APPLICATION NUMBER: 60/064,491
EARLIER APPLICATION NUMBER: 60/064,491
EARLIER APPLICATION NUMBER: 60/064,491
EARLIER APPLICATION NUMBER: 60/064,491
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EARLIER APPLICATION SUBBER: 60/064,491
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -09-007-005-17/c
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OTHER INFORMATION: n = A,T,C
S9-007-C05-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature
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illarity 12.6%; Pred. No. 9e-05;
Conservative 11; Mismacches 133;
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APPLICANT: LIU, RICHARD W.
APPLICANT: LIU, RICHARD W.
APPLICANT: LIU, RICHARD W.
TITLE OF INVENTION: SELECTION OF PROTEINS USING RM.
TITLE OF INVENTION: FUSIONS
FILE REFERENCE: 00786/350007
CURRENT APPLICATION NUMBER: 37/09/244,796
CURRENT FILING DATE: 1999-02-05
EARLIER APPLICATION NUMBER: 60/35,963
EARLIER APPLICATION NUMBER: 60/64,491
EARLIER APPLICATION NUMBER: 60/64,491
FARLIER APPLICATION NUMBER: 09/007,005
EARLIER APPLICATION NUMBER: 09/007,005
EARLIER FILING DATE: 1998-01-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; LOCATION: (1)...(289)
; OTHER INFORMATION: n = A,T,C
US-09-244-796-17
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US-08-713-569-4/C
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                         Seguence 4, Application 08/08713569 Fatent No. 6040185
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Best Local Similarity
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TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Translation template FEATURE:
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                STREET: 9/2 Alto
CITY: Palo Alto
STATE: California
"TATE: usa
                                                                                                                         TITLE OF INVENTION: Genetic Stabilizing Elemnents NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                               APPLICANT: De Haas, Johannes M
APPLICANT: Van Driel, Roeland
                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                    APPLICANT: Dietrich, Paul S
COUNTRY:
                                                                                                        ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2381 FACTATGCTGCCCTCTTGGATCCCTTTTTCACTTGTCT
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Roberts, Richard W.
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                                                                                    975 California
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Gielen, Johannes JL
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                                                                                                            SANDOZ AGRO INC
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                                                                                    Avenue
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Length 289; Indels

2260 230

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APPLICANT: Sandahl, Gary A.
APPLICANT: Simmons, Carl R.
APPLICANT: Tossberg, John T.
APPLICANT: Tossberg, John T.
APPLICANT: Tossberg, John T.
APPLICANT: Tossberg, John T.
APPLICANT: APPLICATION: Maize NPK1 Polynucleotides and Methods
TITLE OF INVENTION: of Use
FILE REFERENCE: 1090
CURRENT APPLICATION NUMBER: US/09/551,778
CURRENT FILING DATE: 2000-04-18
FARLIER APPLICATION NUMBER: 69/130.692
EARLIER FILING DATE: 1999-04-23
NUMBER OF SEQ ID NOS: 6
NUMBER OF SEQ ID NOS: 6
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                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application US/09551778 Patent No. 6504084
SEQ ID NO 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (415)354-3588
INFORMATION FOR SEO ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 862 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HYPOTHETICAL: NO ANTI-SENSE: NO CRIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: MARCUS-WYNER, LYNN
REGIERATION NUMBER: 34.869
REFERENCE/COCKET NUMBER: 13
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMFUTER READABLE FORM:
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COMEJTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-008
SOFTWARE: Patentl: Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/713,569
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1020 TOTATATAGTGCTTGAGAC 1038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 678 CATATATAGTITTGCAAAC 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              960 TCGTCAACTACTAAAATCTATTATAGAAAGTGGTTAACCCTATTTCCCTTTCAGCACAC 1019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  960 TTATSCACCTGAGATAAATCACATCTAGCCAAACTAGTTAGTCCATGTGGGTTTGTGTTGA 959
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          795 TTATGCACCTGTG-GAATGATCAACTAGACAAACTGGTTAGTCCACAAGGTTTGTTATGG 737
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Pred, No. 2.5e-05;
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CURRENT APPLICATION NUMBER: US/09/551,778
CURRENT FILING DATE: 2000-04-18
FEARLIER FAPLICATION NUMBER: 60/130.692
FARLLER FILING DATE: 1999-04-23
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FASLED for Windows Version 3.0
SEQ ID NO 3
LENGTH: 7789
TYPE: DNA
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; LOCATION: (1)...(2715)
US-39-551-778-5
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US-09-551-778-3/c
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Best Local Similarity 54.5
Matches 90; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence 3, Application US/09551778
Patent No. 6504084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Maize NPR1 Polynucleotides and Methods TITLE OF INVENTION: of Use File REFERENCE: 1090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Sandani, Gary A. APPLICANT: Simmons, Carl R. APPLICANT: Tossberg, John T. APPLICANT: Zhang, Lingyu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Crane, Edmund APPLICANT: Rice, Douglas
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NAME/KEY: 5'UIR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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                                                                                                                            NAME/KEY:
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(5275)...(5475)
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                                                                                (5666)...(5922)
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Score 45;
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Length 7789;
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Query Match

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DB 3; 41;

Length 123; Indels

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APPLICANT: SPOSTAK, Jack W.
APPLICANT: Roberts, Richard W.
APPLICANT: LU, Rihe
TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
TITLE OF INVENTION: FUSIONS
FILE REFERENCE: 9C786/350003
CURREN: APPLICATION NUMBER: US/09/007,005B
CURREN: FILING DATE: 1998-01-14
EARLIER APPLICATION NUMBER: 60/035,953
EARLIER APPLICATION NUMBER: 60/035,953
EARLIER FILING DATE: 1997-01-27
EARLIER FILING DATE: 1997-11-05
NUMBER OF SEQ ID NOS: 33
NUMBER OF SEQ ID NOS: 33
NUMBER: FISHUS DATE: 1997-11-05
                                                                                                                                                                                                                                                                                                                                                                US-09-244-796-1/c
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US-09-007-005-1/c
                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                     Sequence 1, Application US/09244796 Patent No. 6281344
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Patent No. 6258558
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Best Local .
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                                                                                               TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN TITLE OF INVENTION: FUSIONS FILE REFERENCE: 00786/350007
                                                                                                                                                                                      APPLICANT: Szostak, Jack W. APPLICANT: Roberts, Richard W. APPLICANT: Liu, Rihe
                                           CURRENT APPLICATION NUMBER: US/09/244,796 CURRENT FILING DATE: 1999-02-05
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90. (8.
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%; Pred. No. 0.029;
39; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-336-778-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
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SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No.
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Best Local Similarity 34.4%;
Matches 42; Conservative
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EARLIER APPLICATION NUMEER: 60/064.491
EARLIER FILING DATE: 1997-11-06
EARLIER APPLICATION NUMEER: 09/007,005
EARLIER FILING DATE: 1998-01-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: DeRose, Richard
APPLICANT: Montolia, Illuis
APPLICANT: Poigdomenech, P
APPLICANT: Torres, Miquel
APPLICANT: Tribe, Javier
APPLICANT: Rigau, Juan
IITLE OF INVENTION: PROMOT
IITLE OF INVENTION: OF ALP
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                                                                                         NAME: DiGiglio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9487
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Artificial Sequence
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MEDIUM TYPE: Floppy disk
COMPOTEN: ISM FC compatible
COMPOTEN: ISM FC compatible
COMPOTEN: ISM FC compatible
COMPOTEN: PARTIEL PARTIE
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                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION
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STREET: 400
TITY: Garden C
                                                                                   TELEPHONE: (516)
                                                                                                                                                                                                                                                                                                     FILING DATE: 0:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
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arden City
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Capellades, Montserrat
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N: 435
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SEQUENCE CHARACTERISTICS:

LENGTH: 1765 base pairs
TYPE: DICIECT actd
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
US-08-336-778-2

Query Match
Best Local Similarity 54.3%: Prod. No. 0.15;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscrvative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscruative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscruative 0; Mismatches 69; Indels 0; Caps 0;
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Matches 82; Conscruative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscruative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscruative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscruative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Conscruative 0; Mismatches 69; Indels 0; Caps 0;
Matches 82; Caps 0; Caps 0; Caps 0;
Matches 176; Caps 0; Caps 0; Caps 0;
Matches 176; Caps 0; Caps 0;
Matches 176; Caps 0; Caps 0; Caps
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